

PTO/SB/21 (09-04)
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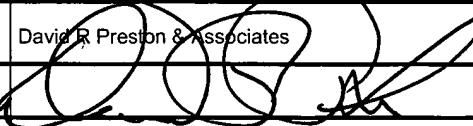
TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/705,447		
Filing Date	11/10/2003		
First Named Inventor	Xiao Xu		
Art Unit	1632		
Examiner Name	to be determined		
Total Number of Pages in This Submission	6	Attorney Docket Number	ACE-00101.P.1.1-US

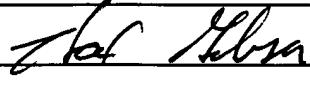
ENCLOSURES <i>(Check all that apply)</i>		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
Remarks 1. Listing of References on Form 1449; 2. 2 Volumes of cited references; and 3. Postcard		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	David R Preston & Associates		
Signature			
Printed name	David R Preston		
Date	December 14, 2005	Reg. No.	38,710

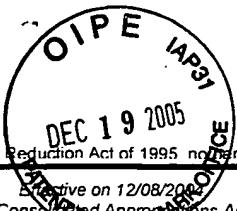
CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

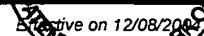
Signature			
Typed or printed name	Hal Gibson	Date	December 14, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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 Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL For FY 2005		Application Number	10/705,447
		Filing Date	11/10/2003
		First Named Inventor	Xiao Xu
		Examiner Name	to be determined
		Art Unit	1632
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	
TOTAL AMOUNT OF PAYMENT		(\$)	
		0.00	

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: 501321 Deposit Account Name: David R. Preston

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below, except for the filing fee.

Charge any additional fee(s) or underpayments of fee(s)
under 37 CFR 1.16 and 1.17 Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

<u>Application Type</u>	FILING FEES		SEARCH FEES		EXAMINATION FEES		<u>Fees Paid (\$)</u>
	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

_____ - 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Multiple Dependent Claims

Fee (\$)	Fee Paid (\$)
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HP = highest number of total claims paid for, if greater than 20

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets **Extra Sheets** **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**
_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	38,710
Name (Print/Type)	David R Preston	Telephone	858-724-0375
		Date December 14, 2005	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Patent
Docket Number: ACE-00101.P.1.1-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
Xu et al.) Examiner: To Be Determined
Application No.: 10/705,447) Art Unit: 1632
Filed: November 11, 2003)
For: IMPEDANCE BASED DEVICES)
AND METHODS FOR USE IN)
ASSAYS)

Commissioner for Patents
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT

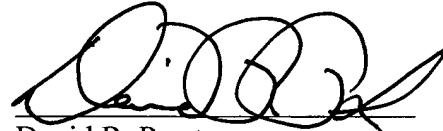
Sir:

This Information Disclosure Statement is being filed before the mailing of a First Office Action on the merits under 37 C.F.R. § 1.97(a)(3). Accordingly, no fee under 37 C.F.R. § 1.17(p) is deemed necessary.

Applicants respectfully submit herewith a listing of references on the attached Form 1449 and two (2) volumes of cited references.

**Please apply any charges not covered, or any credits, to Deposit Account number
501321 in the name of David R. Preston & Associates, having Customer Number 24232.**

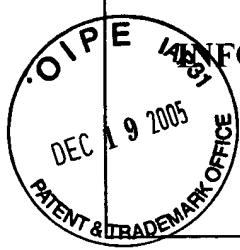
Respectfully submitted,



David R. Preston
Reg. No. 38,710

Date: Dec. 14, 2005

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Docket Number: ACE-00101.P.I.1-US	Application Number: 10/705,447
		Applicant: Xiao Xu	
		Filing Date: November 10, 2003	Group Art Unit: 1632

U. S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	P1	2003/0032000	02/2003	Liu et al			
	P2	2005/0014130	01/2005	Liu et al			
	P3	USRE38,323	11/2003	Sugihara et al			
	P4	6,368,795	04/2002	Hefti			
	P5	6,376,233	04/2002	Wolf et al			
	P6	6,461,808	10/2002	Bodner et al			
	P7	6,485,905	11/2002	Hefti			
	P8	6,566,079	05/2003	Hefti			
	P9	6,573,063	03/2003	Hochman			
	P10	6,626,902	09/2003	Kucharczyk et al			
	P11	6,627,461	09/2003	Chapman et al			
	P12	6,686,193	02/2004	Maher et al			
	P13	6,716,620	04/2004	Bashir et al			

Examiner Signature		Date Considered	
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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation	
							YES	NO
	F1	EP 1195432B1	09/2004	EPO				
	F2	01/25769	04/2001	PCT				
	F3	02/04943	01/2002	PCT				
	F4	02/42766	05/2002	PCT				
	F5	03/016887	02/2003	PCT				
	F6	05/005979	01/2005	PCT				

OTHER DOCUMENTS (Including Author, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D1	Bieberich and Guiseppi-Elie, Biosensors and Bioelectronics, 19:923-931 (2004)
	D2	Burnett et al., J. Biomo. Screening, 8(6):660-667 (2003)
	D3	Ciambrone et al., J. Biomo. Screening, 9(6):467-480 (2004)
	D4	Ehret et al., Med. Biol. Eng. Comput. 36:365-370 (1998)
	D5	Ehret et al., Biosensors and Bioelectronics, 12(1):29-41 (1996)
	D6	Gutmann et al., Pharmaceutical Research, 16(3):402-407 (1999)
	D7	Hug, Assay and Drug Dev. Tech., 1(3):479-488 (2003)

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D8	Lin and Huang, J. Micromech. Microeng., 11:542-547 (2001)
	D9	Lin et al., Min. For Chem., Bio., & Bioeng., 4:104-108 (2004)
	D10	Wegener et al., Eur. J. Physiol., 437:925-934 (1999)
	D11	Wolf et al., Biosensors and Bioelectronics, 13:501-509 (1998)
	D12	Xiao and Luong, Biotechnol. Prog., 19:1000-1005 (2003)
	D13	Xiao et al., Anal. Chem., 74:5748-5753 (2002)
	D14	Yamauchi et al., Nuc. Acids Res., 32(22):1-8 (2004)
	D15	Loffert et al., QIAGENNews, 4:15-18 (1997)

Examiner Signature		Date Considered	
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